Depth Bombs, Dropped From Airplanes, Are Efficacious Against U-Boats

SEA TERRORS **BLOWN UP BY BOMBS FROM**

There is fust one device needed to en able the destroyer to rid the seas of the arine pest in short order," says Scientific American. "That is a detector of sufficient range to enble a destroyer to find and follow a ine when it is submerged."

Given this invention, "the thing would done," according to the publication, which has been running a series of articles designed to aid in the solution of the all-important war problem. A "depth like mass of water to a great height bomb" could be exploded on or near the into the air. ed craft and its career ended

stally, the writer of the article

the shock of detonating a mass of high explosive under water is felt immediately in all directions—the effect diminish-

England and France Placed on Small Sugar Allowance

Compared with America's average consumption of ninety pounds of sugar per person a year, England and France are almost without this commodity.

The English person, who in prowar times consumed his ninetythree and a third pounds a year. is now allowed one-half pound a week. In France the allotment is but eighteen pounds a year.

The British government has been careful to announce that it cannot guarantee that even the half-pound allowance can be obtained, and a sugar card for a family is issued only for the number of persons sleeping in the house. In a public restaurant, if sugar is taken on cereals, the person must do without sweeten ing in his coffee. It is now customary for a lady, invited out to tea, to take her sugar with her. She is also expected to bring her own cake.

"If the explosion takes place at a onsiderable depth, however, the resistance to the upper escape of the sistance to the upper escape of the points out that a depth bomb does not have to strike a submersible to be affective, but may be dropped in the immediate vicinity of the target.

Mahorating this point, the writer says:

"It's (the depth bomb's) destructive mass is based upon the fundamental fact that water is incompressible and that the shock of detonating a mass of hist the shock of detonating a mass of hist bears and that the shock of detonating a mass of hist water is incompressible and that

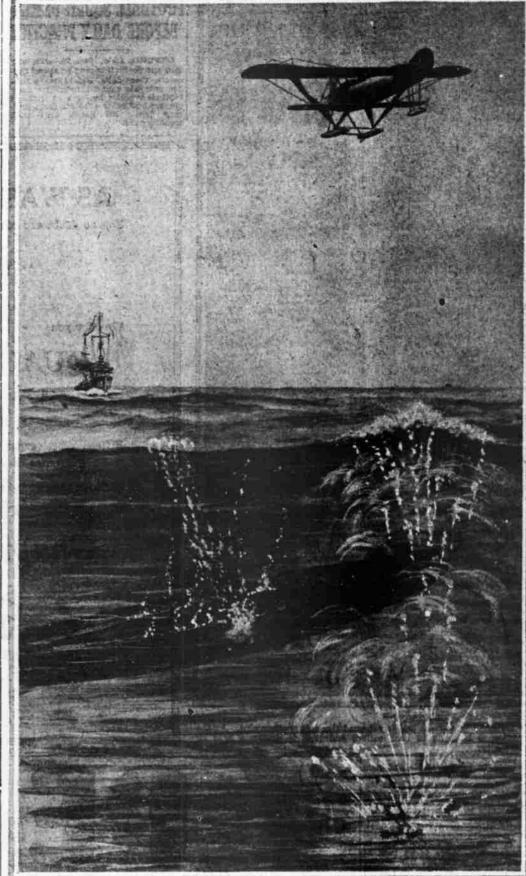
submarine.
"The destructiveness of the bom

the shock of detonating a mass of high explosive under water is felt immediately in all directions—the effect diminishing, of course, with the distance from the bomb.

Gas Seeks Essiest Escape.

"It will be remembered that in one of our earlier chapters on the submarine (Scientific American, June 8, 1817, page 578), it was stated by Hudson Maxim that four cubic feet of T. N. T. at the moment of detonation produces 40,000 cubic feet of gas Now, when a mine, or bomb, or torpede warhead is detonated the expanding gases seek the line of least resistance.

"In the case of a torpedeed ship, this line leads into the hollow metarior of the ship, the incompressible water, forming an abutment in all other directions, but when a mine or depth bomb is detonated the line of least resistance is upward, and the gases cut their way quickly to the surface, carrying a fountain-



This is the way the depth bomb makes life a terror for commanders of the Kaiser's undersea fighting machines. A bomb dropped anywhere near the submarine, if at its level or below it, crushes the sides the U-boat like an egg shell.

ONCE HELD AS SPY; KILS SELF. son was arrested as a German spy KANSAS CITY, Mo., Oct. 28.—The while returning from the Greenland suicide of Lieutenant Johnson at geological expedition. He was held in London and later joined the Belventurous career. Lieutenant Johnson gian Relief Society.

PUT \$128,000 IN BOND

PUT \$128,000 IN BONDS

The employes of the Postoffice Department and other postal employes located in Washington have subscribed \$128,000 to the Second Liberty loan, or twice as much as to the first liberty loan, at which time their scription was \$63,000

The big mass meeting held by the mployes of the department at Poll's Theater last Tuesday afternoon had the effect of renewing enthusiasm on the part of the clerks to such an exthe part of the clerks to such an ex-tent that after the meeting, the same day, and before noon of the following day the subscriptions jumped from about \$65,000 to \$100,000, and at the close of business yesterday afternoon the amount was \$125,000.

The amount of money subscribed to the first Liberty loan by postmasters and postal amolyses throughout the

and postal employes throughout the United States was about \$10,000,000. Reports now reaching the department indicate that a subscriptions from postal employes in the field service to the second Liberty loan will aggregate a larger sum of money than that subscribed to the first Liberty loan.

ADVERTISEMENT. FREE TO **ASTHMA SUFFERERS**

A New Home Cure That Anyone Can
Use Without Discomfort or
Loss of Time.

We have a New Method that cures
Asthma, and we want you to try it at
our expense. No matter whether your
case is of long standing or recent de
velopment, whether it is present as
Hay Fever, or chronic Asthma, you
should send for a free trial of our
method. No matter in what climate
you live, no matter in what climate
you live, no matter what your age or
occupation, if you are troubled with
asthma our method should relieve you
promptly.

asthma our method should relieve you promptly.

We especially want to send it to those apparently hopeless cases, where all forms of inhalers, douches, optim preparations, fumes, "patent smokes," etc., have failed. We want to show everyone nave tailed. We want to show everyone at our own expense that this new method is designed to end all difficult breathing, all wheezing, and all those terrible paroxysms at once and for all time.

all time.

This free offer is too important to neglect a single day. Write today and begin the method at once. Send no money. Simply mail coupon below. Do It Today.

FREE ASTHMA COUPON. RONTIER ASTHMA CO. Rosm 907 agara and Hudson Sta. Buffalo, N. Send free trial of your method to:

MELT STATUE OF FREDERICK

Gazing superciliously out across the landscape from his perch on a block of granite, the Kaiser's greatgrandfather, five times removed, Frederick the Great, stands guard in bronze over the entrance to the United States War College.

He seems content with his post, quite cocky withal, despite the fact that inside the great stone building American army officers are plotting his descendant's downfail. When they pass the old man, some of them scowl, some laugh. Many army of-ficers are in favor of melting him up to make cannon.

to make cannon.
One newly-made captain, first
amazed, then amused at Frederick, remarked: "Why, there's the bird that
started all this Prussianism we are
fighting. Where the —— did he come

fighting. Where the did no come from?"

The fact is, Theodore Roosevelt, arch-apostle of anti-Prussianism today, put him there thirteen years ago at Kaiser Bill's personal request. And among the kind words President Roosevelt lavished upon the Kaiser and his granddad, after wining and dining Wilhelm's personal envoys at the White House, November 19, 1904, were these:

the White House, November 19, 1904, were these;

"We receive this gift at the hands of the present Emperor, himself a man who has markedly added to the luater of his great house and his great nation, who has made it evident that they desire peace and friendship with the other nations of the earth. I accept it with deep appreciation of the friendly regard which it typines for the people of this republic."

Frederick the Great on His Pedestal



This is the statue of the Father of Prussianism, which looks out deflantly from its pedestal in front of the War College. Senator Owen says it ought to be thrown into the Potomae.

dent that they desire peace and friendship with the other nations of the earth. I accept it with deep appreciation of the friendly regard which it typifies for the people of this republic."

T. R. then proceeded to culogine Frederick, comparing him favorably with Alexander, Caesar, Hannibal class his feet. An American eagle of and Napoleon. He mentioned kindly "the ancient and illustrious house of Hohenzollern."

The bronze Frederick at the War College is a replica of the one stand.

But he did not get there without protest. Poles of Chicago protested to T. R. at the time he was put up, branding Frederick a despot and declaring that his statue "should find no place on soil made sacred by the blood of martyrs of liberty." And there if the unsulphance of the college. The historic Potomac rolls past his elbow. The bronze Frederick at the War College is a replica of the one stand.





Sale of Women's Samples

From the Lindner Shoe Co. and other Boots, values up to \$7,

Two hundred pairs welt and turn sole boots in black and many beautiful colors of fine kidskin. All latest novelties of the season-but Sample sizes

Also, broken lots of some of our own high-grade novelty Boots-and black kid laced and button Boots. These including all sizes.

Smart "Spats" at 95c

White, Black and all the new shades of Tan, Gray, Fawn and Brown High cut \$1.50 values.

and many other Smart Novelties in * Young Women's Boots,

\$5.85, \$6.85, \$7.85 Hosiery to Match

Gold & Silver Cloth

Hallowe'en Slippers



Just Received-A Big Shipment of Men's and Women's RAIN COATS A Heavyweight

these but typical of the savings that we always offer our patrons. No room here for scores of other bargains—see them at our store.

ERCOATS

Man's and Women's Double-Tete. Usually \$4.95

Men's Heavy-Weight
OVERCOATS
In new and
stylish models . \$10 to \$25
Biggest Values of the Season
in All the Styles—Trench, Belters, Pinch-back, Double-breasted.

Girls' Poplin Raincoats, with Hat to Match. \$6.50 value Boys' Black Rubber Raincoats

Sixes 4 to 16. \$5.00 \$3.50 Men's and Women's Cravenetted es and Prientley \$15

Cents Army Slickers, Better

Men's and Women's RAIN-COATS Since 34 to \$6.75 48. Color guaranteed

Boys' Double-Texture Raincoats Hat to match, \$6.00 \$3.95 value Girls' Capes, fine quality.

value \$1.95 Naval Officers' \$20

Capes Marine Officers' Reversible Capes

The House of Satisfaction-Maker to Wearer.

1004 F St. N. W. Next Door to Riker-Hegeman Drug Store.



The Closing Days of the Remarkable

SPECTACLE and EYEGLASS OFFER

By the Block Optical Co.,

of 737 7th St. N. W.